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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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* * * * * * * * * *
                      Welcome to STN International
                  Web Page for STN Seminar Schedule - N. America
NEWS
         JUL 28
NEWS
                 CA/CAplus patent coverage enhanced
NEWS
         JUL 28
                  EPFULL enhanced with additional legal status
                  information from the epoline Register
NEWS
         JUL 28
                  IFICDB, IFIPAT, and IFIUDB reloaded with enhancements
NEWS
      5
         JUL 28
                  STN Viewer performance improved
NEWS
      6
         AUG 01
                  INPADOCDB and INPAFAMDB coverage enhanced
NEWS
      7
         AUG 13
                  CA/CAplus enhanced with printed Chemical Abstracts
                  page images from 1967-1998
NEWS
      8
         AUG 15
                  CAOLD to be discontinued on December 31, 2008
NEWS
      9
         AUG 15
                 CAplus currency for Korean patents enhanced
NEWS 10
         AUG 27
                  CAS definition of basic patents expanded to ensure
                  comprehensive access to substance and sequence
                  information
         SEP 18
NEWS 11
                  Support for STN Express, Versions 6.01 and earlier,
                  to be discontinued
NEWS 12
         SEP 25
                 CA/CAplus current-awareness alert options enhanced
                  to accommodate supplemental CAS indexing of
                  exemplified prophetic substances
NEWS 13
         SEP 26
                  WPIDS, WPINDEX, and WPIX coverage of Chinese and
                  and Korean patents enhanced
NEWS 14
         SEP 29
                  IFICLS enhanced with new super search field
NEWS 15
         SEP 29
                  EMBASE and EMBAL enhanced with new search and
                  display fields
NEWS 16
         SEP 30
                 CAS patent coverage enhanced to include exemplified
                  prophetic substances identified in new Japanese-
                  language patents
NEWS 17
         OCT 07
                 EPFULL enhanced with full implementation of EPC2000
NEWS 18
         OCT 07
                 Multiple databases enhanced for more flexible patent
                  number searching
         OCT 22
NEWS 19
                 Current-awareness alert (SDI) setup and editing
                  enhanced
NEWS 20
         OCT 22
                  WPIDS, WPINDEX, and WPIX enhanced with Canadian PCT
                  Applications
NEWS 21
         OCT 24
                 CHEMLIST enhanced with intermediate list of
                  pre-registered REACH substances
NEWS 22
         NOV 21
                  CAS patent coverage to include exemplified prophetic
                  substances identified in English-, French-, German-,
                  and Japanese-language basic patents from 2004-present
NEWS 23
         NOV 26
                  MARPAT enhanced with FSORT command
NEWS 24
         NOV 26
                 {\tt MEDLINE}\ year-end\ processing\ temporarily\ halts
                  availability of new fully-indexed citations
NEWS 25
         NOV 26
                  CHEMSAFE now available on STN Easy
NEWS 26
         NOV 26
                  Two new SET commands increase convenience of STN
                  searching
NEWS 27
         DEC 01
                  ChemPort single article sales feature unavailable
```

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3, AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

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NEWS LOGIN Welcome Banner and News Items

NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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=> file reg COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 0.21 0.21

FULL ESTIMATED COST

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STRUCTURE FILE UPDATES: 30 NOV 2008 HIGHEST RN 1077629-73-2 DICTIONARY FILE UPDATES: 30 NOV 2008 HIGHEST RN 1077629-73-2

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TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

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http://www.cas.org/support/stngen/stndoc/properties.html

=>

Uploading C:\Program Files\STNEXP\Queries\10586420.str

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chain nodes :
6 7 17 29 30 31 32 33
ring nodes :
1 2 3 4 5 8 9 10 11 12 13 14 15 16 19 20 21 22 23 24 25 26 27
 28
chain bonds :
2-6 3-8 4-19 5-7 11-17 24-29 27-30 30-31 31-32 31-33
ring bonds :
1 - 2 \quad 1 - 5 \quad 2 - 3 \quad 3 - 4 \quad 4 - 5 \quad 8 - 9 \quad 8 - 10 \quad 9 - 12 \quad 9 - 13 \quad 10 - 11 \quad 11 - 12 \quad 12 - 16 \quad 13 - 14 \quad 14 - 15
15-16 \quad 19-20 \quad 19-24 \quad 20-21 \quad 20-25 \quad 21-22 \quad 21-28 \quad 22-23 \quad 23-24 \quad 25-26 \quad 26-27 \quad 27-28
exact/norm bonds :
1-2 1-5 2-6 5-7 10-11 11-12 11-17 30-31 31-32 31-33
exact bonds :
2-3 3-4 3-8 4-5 4-19 8-9 8-10 24-29 27-30
normalized bonds :
9-12 \quad 9-13 \quad 12-16 \quad 13-14 \quad 14-15 \quad 15-16 \quad 19-20 \quad 19-24 \quad 20-21 \quad 20-25 \quad 21-22 \quad 21-28
22-23 23-24 25-26 26-27 27-28
isolated ring systems :
containing 1 : 8 :
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Match level:

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:CLASS 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:CLASS 30:CLASS 31:CLASS 32:CLASS 33:CLASS

L1 STRUCTURE UPLOADED

=> d k1 L1 HAS NO ANSWERS 'K1 ' IS NOT A VALID STRUCTURE FORMAT KEYWORD ENTER STRUCTURE FORMAT (SIM), NOS:end

=> d 11

L1 HAS NO ANSWERS

L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss full

FULL SEARCH INITIATED 18:10:27 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 239 TO ITERATE

100.0% PROCESSED 239 ITERATIONS 1 ANSWERS

SEARCH TIME: 00.00.01

L2 1 SEA SSS FUL L1

=> file capl

COST IN U.S. DOLLARS
SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 178.82 179.03

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FILE COVERS 1907 - 1 Dec 2008 VOL 149 ISS 23 FILE LAST UPDATED: 30 Nov 2008 (20081130/ED)

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http://www.cas.org/legal/infopolicy.html

=> s 12

L3 1 L2

=> d 13 ibib hitstr

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:673287 CAPLUS

DOCUMENT NUMBER: 143:172756

TITLE: Preparation of indolylmaleimide derivatives as PKC

inhibitors

Van Eis, Maurice; Von Matt, Peter; Wagner, Juergen; INVENTOR(S):

Evenou, Jean-Pierre

Novartis A.-G., Switz.; Novartis Pharma G.m.b.H. PATENT ASSIGNEE(S):

SOURCE: PCT Int. Appl., 24 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

| PA: | PATENT NO. | | | | | | KIND DATE | | | APPLICATION NO. | | | | | | DATE | | | |
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| WO | | | | | | | | | WO 2005-EP501 | | | | | | | | | | |
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| | | CN, | CO, | CR, | CU, | CZ, | DE, | DK, | DM, | DZ | EC, | EE, | EG, | ES, | FI, | GB, | GD, | | |
| | | GE, | GH, | GM, | HR, | HU, | ID, | IL, | IN, | IS | JP, | KE, | KG, | KΡ, | KR, | KZ, | LC, | | |
| | | | | | | | | | | | , MK, | | | | | | | | |
| | | NO, | NZ, | OM, | PG, | PH, | PL, | PT, | RO, | RU | J, SC, | SD, | SE, | SG, | SK, | SL, | SY, | | |
| | | ТJ, | TM, | TN, | TR, | TT, | TZ, | UA, | UG, | US | , UZ, | VC, | VN, | YU, | ZA, | ZM, | ZW | | |
| | RW: | BW, | GH, | GM, | KE, | LS, | MW, | MZ, | NA, | SE | , SL, | SZ, | TZ, | UG, | ZM, | ZW, | AM, | | |
| | | | | | | | | | | | BE, | | | | | | | | |
| | | EE, | ES, | FI, | FR, | GB, | GR, | HU, | ΙE, | IS | , IT, | LT, | LU, | MC, | NL, | PL, | PT, | | |
| | | RO, | SE, | SI, | SK, | TR, | BF, | ВJ, | CF, | CG | G, CI, | CM, | GA, | GN, | GQ, | GW, | ML, | | |
| | | MR, | NE, | SN, | TD, | ΤG | | | | | | | | | | | | | |
| AU | 2005 | 20518 | 82 | | A1 | 2005 | 0728 | AU 2005-205182 | | | | | | 20050119 | | | | | |
| CA | 2552 | | | A1 20050728 | | | | CA 2005-2552738 | | | | | | 20050119 | | | | | |
| EP | 1709 | | | A1 20061011 | | | | EP 2005-701051 | | | | | | 20050119 | | | | | |
| EP | 1709 | 1709030 | | | | B1 20080402 | | | | | | | | | | | | | |
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| CN | CN 1910174 | | | | | A 20070207 | | | | CN 2005-80002734 | | | | | | 20050119 | | | |
| .TD | TD 2007518730 | | | | | т 20070712 | | | | JP 2006-548286 | | | | | | 20050119 | | | |
| BR | BR 2005006958 AT 391127 ES 2303218 MX 2006PA08159 | | | | | | 2007 | 0724 | | BR | 2005- | -6958 | | | 2 | 20050 | _ | | |
| AT | AT 391127 | | | | T | | 2008 | 0415 | | ΑT | 2005- | -7010 | 51 | | 2 | 20050 | | | |
| ES | ES 2303218 | | | | | | 2008 | 0801 | , | ES | 2005- | 7010 | 51 | | 2 | 20050 | 119 | | |
| MX | MX 2006PA08159 | | | | | | 2006 | 0920 | | MΧ | 2006- | -PA81 | 59 | | 2 | 20060 | 718 | | |
| KR | KR 2007020401 | | | | | | | | | | 2006- | | | | | 20060 | 718 | | |
| IN | IN 2006CN02632 | | | | A | | 2007 | 0608 | | ΙN | 2006- | -CN26 | 32 | | 2 | 20060 | 719 | | |
| US | US 20080234494 | | | | | | 2008 | 0925 | | US | 2006- | -5864 | 20 | | 2 | 20060 | 719 | | |
| PRIORIT | ORITY APPLN. INFO.: | | | | | | | | | GΒ | 2006- 2004- | -1089 | | | A 2 | 20040 | 119 | | |
| | | | | | | | | | 1 | GВ | 2004- | 1090 | | , | A 2 | 20040 | 119 | | |
| | | | | | | | | | • | WO | 2005- | EP50 | 1 | | W 2 | 20050 | 119 | | |
| THER SO | IER SOURCE(S): | | | | | REAC | T 14 | 3:17 | 2756 | ; M | IARPA1 | 143 | :172 | 756 | | | | | |
| TT 961 | 960646-70-4D | | | | | | | | | | | | | | | | | | |

ΙT

860646-70-4P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of indolylmaleimide derivs. as PKC inhibitors)

RN 860646-70-4 CAPLUS

1H-Pyrrole-2,5-dione, 3-[2-chloro-6-[(dimethylamino)methyl]-1-CN naphthalenyl]-4-(1-methyl-1H-indol-3-yl)- (CA INDEX NAME)

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file reg COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE TOTAL ENTRY SESSION 5.19 184.22

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http://www.cas.org/support/stngen/stndoc/properties.html

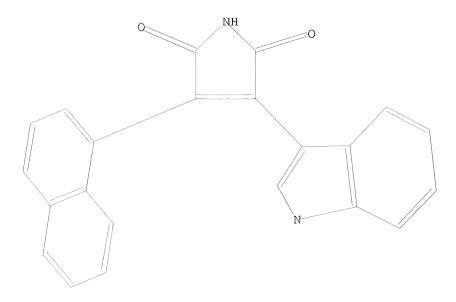
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chain nodes :
6 7
ring nodes :
1 2 3 4 5 8 9 10 11 12 13 14 15 16 18 19 20 21 22 23 24 25 26
chain bonds :
2-6 3-8 4-18 5-7
ring bonds :
exact/norm bonds :
1-2 1-5 2-6 5-7 10-11 11-12
exact bonds :
2-3 3-4 3-8 4-5 4-18 8-9 8-10
normalized bonds :
9-12 \quad 9-13 \quad 12-16 \quad 13-14 \quad 14-15 \quad 15-16 \quad 18-19 \quad 18-23 \quad 19-20 \quad 19-24 \quad 20-21 \quad 20-27
21-22 22-23 24-25 25-26 26-27
isolated ring systems :
containing 1 : 8 : 18 :
Match level:
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 18:Atom 19:Atom 20:Atom
21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 27:Atom
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L4 STRUCTURE UPLOADED

=> d 14 L4 HAS NO ANSWERS L4 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 14 sss full

FULL SEARCH INITIATED 18:12:35 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 389 TO ITERATE

100.0% PROCESSED 389 ITERATIONS 216 ANSWERS

SEARCH TIME: 00.00.01

L5 216 SEA SSS FUL L4

=> file capl

COST IN U.S. DOLLARS SINCE FILE TOTAL ENTRY SESSION 178.36 362.58

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=> s 15

L6 16 L5

=> d 16 1-16 ibib hitstr

L6 ANSWER 1 OF 16 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2008:398759 CAPLUS

DOCUMENT NUMBER: 148:528866

TITLE: Aryl-indolyl maleimides as inhibitors of CaMKIIO. Part 1: SAR of the aryl region

AUTHOR(S): Levy, Daniel E.; Wang, Dan-Xiong; Lu, Qing; Chen, Zheng; Perumattam, John; Xu, Yong-jin; Liclican,

Albert; Higaki, Jeffrey; Dong, Hanmin; Laney, Maureen;

Mavunkel, Babu; Dugar, Sundeep

CORPORATE SOURCE: Scios, Inc., Fremont, CA, 94555, USA

SOURCE: Bioorganic & Medicinal Chemistry Letters (2008),

18(7), 2390-2394

CODEN: BMCLE8; ISSN: 0960-894X

PUBLISHER: Elsevier Ltd.

DOCUMENT TYPE: Journal LANGUAGE: English

OTHER SOURCE(S): CASREACT 148:528866

IT 1024583-89-8P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(aryl-indolyl maleimides as inhibitors of $CaMKII\delta$)

RN 1024583-89-8 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[1-(3-aminopropyl)-1H-indol-3-yl]-4-(1-naphthalenyl)-, hydrochloride (1:1) (CA INDEX NAME)

 $H_2N-(CH_2)_3$

● HCl

IT 1024584-17-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(aryl-indolyl maleimides as inhibitors of $CaMKII\delta$)

RN 1024584-17-5 CAPLUS

CN Carbamic acid, N-[3-[3-[2,5-dihydro-4-(1-naphthalenyl)-2,5-dioxo-1H-pyrrol-3-yl]-1H-indol-1-yl]propyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 16 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:54639 CAPLUS

DOCUMENT NUMBER: 146:163003

TITLE: Indolylmaleimide derivatives as protein kinase

inhibitors and their preparation, pharmaceutical compositions and use in the prevention and treatment

of T lymphocyte mediated diseases

INVENTOR(S): Wagner, Juergen; Van Eis, Maurice; Von Matt, Peter;

Evenou, Jean-Pierre; Schuler, Walter

PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis Pharma G.m.b.H.

SOURCE: PCT Int. Appl., 68pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PA: | TENT | NO. | | | KIN | D | DATE | | APPLICATION NO. | | | | | | DATE | | | |
|----------------|---|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|--|--------------------------|-------------------------------------|-------------------------------------|------------------------------------|--------------------------|--------------------------|--------------------------|-----------------------------|--------------------------|--|
| | 2007 2007 | | | | A2 A3 | | 20070118 20070524 | | • | WO 2 | 32 | 20060710 | | | | | | |
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| | RW: | AT, IS, CF, GM, | BE, IT, CG, KE, | BG, LT, CI, LS, | CH, LU, CM, MW, | CY, LV, GA, MZ, | MC, GN, NA, | DE, NL, GQ, SD, AP, | PL, GW, SL, | PT, ML, SZ, | RO, MR, TZ, | SE, NE, | SI, SN, | SK, TD, | TR, TG, | BF, BW, | BJ, GH, | |
| AU | 2006 | | | | | | | , | | 2689 | 20060710 | | | | | | | |
| CA | 2611 | | A1 20070118 | | | | | CA 2 | 006- | 2611 | 20060710 | | | | | | | |
| EP | | | | A2 20080402 | | | | | | | | 20060710 | | | | | | |
| MX KR CN | R: AT, BE, BG, IS, IT, LI, IN 2007DN09350 MX 200800463 KR 2008023732 CN 101223162 DRITY APPLN, INFO.: | | | | | LU, | LV, 2008 2008 | MC, 0627 0311 0314 | NL, | PL, IN 2 MX 2 KR 2 CN 2 | PT, 007- 008- 008- 006- | RO, DN93 463 7007 8002 | SE, 50 90 5403 | SI, | SK, 2 2 2 | TR 0071: 0080 0080 | 204 109 110 | |
| PKIORII | I APP | LIN. | TMEO | . : | | | | | | GB 2 | 005- | 1420 | 4 | 4 | A 2 | 0050 | / T T | |

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OTHER SOURCE(S):
                         MARPAT 146:163003
    860468-19-5P 919992-55-5P 919992-56-6P
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     919993-63-8P 919993-64-9P 919993-65-0P
     919993-66-1P 919993-67-2P 919993-68-3P
     919993-69-4P 919993-70-7P 919993-71-8P
     919993-72-9P 919993-73-0P 919993-74-1P
     919993-75-2P 919993-76-3P 919993-77-4P
     919993-78-5P 919993-79-6P 919993-80-9P
     919994-32-4P
     RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
     (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
     (Uses)
        (drug candidate; preparation of indolylmaleimide derivs. as protein kinase
        inhibitors and their use in the prevention and treatment of {\ensuremath{\mathtt{T}}}
        lymphocyte mediated diseases)
RN
     860468-19-5 CAPLUS
CN
     1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-
     naphthalenyl]-4-(1H-indol-3-yl)- (CA INDEX NAME)
```

RN 919992-55-5 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[[(2-fluoroethyl)amino]methyl]-1-naphthalenyl]-4-(1-methyl-1H-indol-3-yl)-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 919992-54-4

CMF C26 H21 C1 F N3 O2

CM 2

CRN 76-05-1 CMF C2 H F3 O2

RN 919992-56-6 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[[(2-fluoroethyl)methylamino]methyl]-1-naphthalenyl]-4-(1-methyl-1H-indol-3-yl)- (CA INDEX NAME)

$$\begin{array}{c} \text{Me} \\ \text{N} \\ \text{NH} \\ \text{O} \\ \text{FCH}_2-\text{CH}_2-\text{N-CH}_2 \\ \text{Me} \\ \end{array}$$

RN 919992-57-7 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[[(2-fluoroethyl)amino]methyl]-1-naphthalenyl]-4-(7-methyl-1H-indol-3-yl)- (CA INDEX NAME)

$$\begin{array}{c} \text{Me} \\ \text{H} \\ \text{N} \\ \text{O} \\ \text{NH} \\ \text{O} \\ \text{C1} \\ \end{array}$$

RN 919992-58-8 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[[(2-fluoroethyl)amino]methyl]-1-naphthalenyl]-4-(6-methyl-1H-indol-3-yl)- (CA INDEX NAME)

RN 919992-59-9 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[[(2-fluoroethyl)amino]methyl]-1-naphthalenyl]-4-(5-methyl-1H-indol-3-yl)- (CA INDEX NAME)

RN 919992-60-2 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[[(2-fluoroethyl)amino]methyl]-1-naphthalenyl]-4-(1H-indol-3-yl)- (CA INDEX NAME)

RN 919992-61-3 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7[[(cyclopropylmethyl)methylamino]methyl]-1-naphthalenyl]-4-(1-methyl-1Hindol-3-yl)- (CA INDEX NAME)

RN 919992-62-4 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[[(cyclopropylmethyl)amino]methyl]-1-naphthalenyl]-4-(1-methyl-1H-indol-3-yl)- (CA INDEX NAME)

RN 919992-63-5 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[[(2-methoxyethyl)methylamino]methyl]-1-naphthalenyl]-4-(1-methyl-1H-indol-3-yl)- (CA INDEX NAME)

$$\begin{array}{c} \text{Me} \\ \text{N} \\ \text$$

RN 919992-64-6 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[[(2-methoxyethyl)amino]methyl]-1-naphthalenyl]-4-(1-methyl-1H-indol-3-yl)- (CA INDEX NAME)

RN 919992-65-7 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[[(2-methoxyethy1)amino]methy1]-1-naphthaleny1]-4-(7-methyl-1H-indol-3-yl)- (CA INDEX NAME)

$$\begin{array}{c} \text{Me} \\ \text{H} \\ \text{N} \\ \text{O} \\ \text{NH} \\ \text{O} \\ \text{O} \\ \text{C1} \\ \end{array}$$

RN 919992-66-8 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[[(2-methoxyethyl)amino]methyl]-1-naphthalenyl]-4-(6-methyl-1H-indol-3-yl)- (CA INDEX NAME)

$$\begin{array}{c|c} \text{Me} & \text{H} & \text{O} \\ \text{NH} & \text{O} \\ \text{NH} & \text{O} \\ \\ \text{MeO-CH}_2\text{--CH}_2\text{--NH--CH}_2 & \text{C1} \\ \end{array}$$

RN 919992-67-9 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[[(2-methoxyethyl)amino]methyl]-1-naphthalenyl]-4-(5-methyl-1H-indol-3-yl)- (CA INDEX NAME)

$$\begin{array}{c} \text{Me} \\ \text{Me} \\ \text{MeO-CH}_2\text{-CH}_2\text{-NH-CH}_2 \\ \text{C1} \\ \end{array}$$

RN 919992-68-0 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[[(2-methoxyethyl)amino]methyl]-1-naphthalenyl]-4-(1H-indol-3-yl)- (CA INDEX NAME)

$$\begin{array}{c|c} & H & O \\ \hline NH & O \\ \hline NH & O \\ \hline NH & O \\ \hline O & CH_2-CH_2-NH-CH_2 \\ \hline & C1 \\ \hline \end{array}$$

RN 919992-69-1 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(methyl-2-propen-1-ylamino)methyl]-1-naphthalenyl]-4-(1-methyl-1H-indol-3-yl)- (CA INDEX NAME)

$$\begin{array}{c} \text{Me} \\ \text{NH} \\ \text{NH} \\ \text{O} \\ \text{C1} \\ \text{Me} \\ \end{array}$$

RN 919992-70-4 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(2-propen-1-ylamino)methyl]-1-naphthalenyl]-4-(1-methyl-1H-indol-3-yl)- (CA INDEX NAME)

$$\begin{array}{c} \text{Me} \\ \text{N} \\ \text{N} \\ \text{N} \\ \text{O} \\ \text{C1} \\ \end{array}$$

RN 919992-71-5 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(cyclopropylmethylamino)methyl]-1-naphthalenyl]-4-(1-methyl-1H-indol-3-yl)- (CA INDEX NAME)

RN 919992-72-6 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(cyclopropylamino)methyl]-1-naphthalenyl]-4-(1-methyl-1H-indol-3-yl)- (CA INDEX NAME)

RN 919992-73-7 CAPLUS

CN Acetamide, 2-[[3-[4-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-2,5-dihydro-2,5-dioxo-1H-pyrrol-3-yl]-1H-indol-7-yl]oxy]-N,N-diethyl-(CA INDEX NAME)

RN 919992-75-9 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(4-methyl-1-piperazinyl)methyl]-1-naphthalenyl]-4-(7-methyl-1H-indol-3-yl)- (CA INDEX NAME)

RN 919992-76-0 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(4-methyl-1-piperazinyl)methyl]-1-naphthalenyl]-4-(1H-indol-3-yl)- (CA INDEX NAME)

RN 919992-77-1 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1naphthalenyl]-4-[7-(3-methoxypropoxy)-1H-indol-3-yl]- (CA INDEX NAME)

RN 919992-78-2 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-(6,7-dimethoxy-1H-indol-3-yl)- (CA INDEX NAME)

RN 919992-79-3 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-(7-methoxy-6-methyl-1H-indol-3-yl)- (CA INDEX NAME)

RN 919992-80-6 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-(6-methoxy-7-methyl-1H-indol-3-yl)- (CA INDEX NAME)

MeO
$$\stackrel{\text{H}}{\text{N}}$$
 $\stackrel{\text{O}}{\text{N}}$ $\stackrel{\text{NH}}{\text{NH}}$ $\stackrel{\text{O}}{\text{NH}}$ $\stackrel{\text{NH}}{\text{O}}$ $\stackrel{\text{C1}}{\text{Me}_2\text{N}}$ $\stackrel{\text{C1}}{\text{C1}}$

RN 919992-83-9 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[7-(2-methoxyethoxy)-1H-indol-3-yl]- (CA INDEX NAME)

RN 919992-84-0 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[7-[2-(dimethylamino)ethoxy]-1H-indol-3-yl]- (CA INDEX NAME)

RN 919992-85-1 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[7-[2-(2-methoxyethoxy)ethoxy]-1H-indol-3-yl]- (CA INDEX NAME)

RN 919992-86-2 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1naphthalenyl]-4-[7-[[(2-methoxyethyl)amino]methyl]-1H-indol-3-yl]- (CA INDEX NAME)

RN 919992-88-4 CAPLUS
CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1naphthalenyl]-4-[7-[2-(2,2,2-trifluoroethoxy)ethoxy]-1H-indol-3-yl]- (CA
INDEX NAME)

RN 919992-89-5 CAPLUS
CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1naphthalenyl]-4-[7-(3-methoxy-3-methylbutoxy)-1H-indol-3-yl]- (CA INDEX

NAME)

$$\begin{array}{c} \text{OMe} \\ \text{Me} - \text{C} - \text{CH}_2 - \text{CH}_2 - \text{O} \\ \text{Me} \end{array}$$

RN 919992-90-8 CAPLUS
CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-(7-ethoxy-1H-indol-3-yl)- (CA INDEX NAME)

RN 919992-91-9 CAPLUS
CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1naphthalenyl]-4-(7-methoxy-1H-indol-3-yl)- (CA INDEX NAME)

RN 919992-92-0 CAPLUS CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-

RN 919992-93-1 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-(6-methoxy-1H-indol-3-yl)- (CA INDEX NAME)

RN 919992-94-2 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[1-(2-methoxyethyl)-1H-indol-3-yl]- (CA INDEX NAME)

RN 919992-95-3 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[7-[2-(2-methoxyethoxy)ethoxy]-1-methyl-1H-indol-3-yl]-(CA INDEX NAME)

RN 919992-96-4 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[1-[2-(dimethylamino)ethyl]-1H-indol-3-yl]- (CA INDEX NAME)

RN 919992-97-5 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1naphthalenyl]-4-[7-methoxy-1-(2-methoxyethyl)-1H-indol-3-yl]- (CA INDEX NAME)

RN 919992-98-6 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[7-(2-hydroxy-2-methylpropoxy)-1H-indol-3-yl]- (CA INDEX NAME)

RN 919992-99-7 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[1-(2-hydroxy-2-methylpropyl)-1H-indol-3-yl]- (CA INDEX NAME)

RN 919993-00-3 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[1-(2-aminoethyl)-1H-indol-3-yl]-4-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]- (CA INDEX NAME)

RN 919993-01-4 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[7-(2-aminoethoxy)-1H-indol-3-yl]-4-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]- (CA INDEX NAME)

RN 919993-03-6 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[7-(2-methoxy-2-methylpropoxy)-1-methyl-1H-indol-3-yl]-(CA INDEX NAME)

RN 919993-04-7 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1naphthalenyl]-4-[7-(2-fluoroethoxy)-1H-indol-3-yl]- (CA INDEX NAME)

RN 919993-05-8 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[7-(2,2,2-trifluoroethoxy)-1H-indol-3-yl]- (CA INDEX NAME)

RN 919993-06-9 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[7-(trifluoromethoxy)-1H-indol-3-yl]- (CA INDEX NAME)

RN 919993-07-0 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[7-(difluoromethoxy)-1H-indol-3-yl]- (CA INDEX NAME)

RN 919993-08-1 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(methylamino)methyl]-1-naphthalenyl]-4-[6-[2-(2-methoxyethoxy)ethoxy]-1H-indol-3-yl]- (CA INDEX NAME)

$$\label{eq:MeO-CH2-CH2-O-CH2-CH2-O-CH2-CH2-O-CH2-CH2-O-CH2-O-CH2-CH2-O-$$

RN 919993-09-2 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(methylamino)methyl]-1-naphthalenyl]-4-[7-(2-methoxyethoxy)-1H-indol-3-yl]- (CA INDEX NAME)

RN 919993-10-5 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(methylamino)methyl]-1-naphthalenyl]-4-[6-(2-methoxyethoxy)-1H-indol-3-yl]- (CA INDEX NAME)

RN 919993-11-6 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(methylamino)methyl]-1-naphthalenyl]-4-(7-methoxy-1H-indol-3-yl)- (CA INDEX NAME)

RN 919993-12-7 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(methylamino)methyl]-1-naphthalenyl]-4-[7-[2-(2-methoxyethoxy)ethoxy]-1H-indol-3-yl]- (CA INDEX NAME)

RN 919993-13-8 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[1-[2-(2-aminoethoxy)ethyl]-1H-indol-3-yl]-4-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]- (CA INDEX NAME)

RN 919993-14-9 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[7-[2-(2-hydroxyethoxy)ethoxy]-1H-indol-3-yl]- (CA INDEX NAME)

RN 919993-15-0 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(methylamino)methyl]-1-naphthalenyl]-4-(6-methoxy-1H-indol-3-yl)- (CA INDEX NAME)

RN 919993-16-1 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[7-(3-aminopropoxy)-1H-indol-3-yl]-4-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]- (CA INDEX NAME)

RN 919993-17-2 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[7-[2-(2-hydroxy-2-methylpropoxy)ethoxy]-1H-indol-3-yl]-(CA INDEX NAME)

$$\begin{array}{c} \text{OH} \\ \text{Me-C-CH}_2\text{-O-CH}_2\text{-CH}_2\text{-O} \\ \text{Me} \end{array}$$

RN 919993-18-3 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[6-[2-(2-methoxyethoxy)ethoxy]-1H-indol-3-yl]- (CA INDEX NAME)

$$\label{eq:meo-ch2-ch2-ch2-o-ch2-ch2-o-ch2-ch2-o-ch2-ch2-o-ch2-ch2-o-ch2-ch2-o-ch2-$$

RN 919993-19-4 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[1-(2-hydroxyethyl)-1H-indol-3-yl]- (CA INDEX NAME)

RN 919993-20-7 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[7-methoxy-1-[2-(2-methoxyethoxy)ethyl]-1H-indol-3-yl]-(CA INDEX NAME)

RN 919993-21-8 CAPLUS
CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1naphthalenyl]-4-[1-[2-(2-hydroxyethoxy)ethyl]-1H-indol-3-yl]- (CA INDEX NAME)

RN 919993-22-9 CAPLUS
CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1naphthalenyl]-4-[1-(3-quinolinyl)-1H-indol-3-yl]- (CA INDEX NAME)

RN 919993-23-0 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1naphthalenyl]-4-[7-[[2-(2-methoxyethoxy)ethoxy]methyl]-1H-indol-3-yl](CA INDEX NAME)

$$\begin{array}{c} \text{MeO-CH}_2\text{-CH}_2\text{-O-CH}_2\text{-CH}_2\text{-O-CH}_2 \\ \\ \text{Me}_2\text{N-CH}_2 \\ \end{array}$$

RN 919993-24-1 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[7-[(2-methoxyethoxy)methyl]-1H-indol-3-yl]-(CA INDEX NAME)

RN 919993-25-2 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[7-(2-hydroxy-2-methylpropoxy)-1-methyl-1H-indol-3-yl]-(CA INDEX NAME)

RN 919993-26-3 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[1-[2-(2-methoxyethoxy)ethyl]-7-methyl-1H-indol-3-yl]-(CA INDEX NAME)

$$\begin{array}{c} \text{Me} \\ \text{CH}_2-\text{CH}_2-\text{O-CH}_2-\text{CH}_2-\text{OMe} \\ \\ \text{N} \\ \\ \text{NH} \\ \\ \text{O} \\ \\ \text{C1} \\ \end{array}$$

RN 919993-27-4 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-

RN 919993-28-5 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1naphthalenyl]-4-[1-(2-methoxyethyl)-7-methyl-1H-indol-3-yl]- (CA INDEX NAME)

RN 919993-29-6 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[7-[2-(2-methoxyethoxy)ethoxy]-6-methyl-1H-indol-3-yl]-(CA INDEX NAME)

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[7-(2-methoxyethoxy)-6-methyl-1H-indol-3-yl]- (CA INDEX NAME)

RN 919993-31-0 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[7-[2-(2-methoxyethoxy)ethoxy]-5-methyl-1H-indol-3-yl]-(CA INDEX NAME)

RN 919993-32-1 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[7-(2-methoxyethoxy)-5-methyl-1H-indol-3-yl]- (CA INDEX NAME)

RN 919993-33-2 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-(6-chloro-1H-indol-3-yl)- (CA INDEX NAME)

RN 919993-34-3 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-(5-chloro-1H-indol-3-yl)- (CA INDEX NAME)

RN 919993-35-4 CAPLUS

CN 1H-Indole-7-carboxylic acid, 3-[4-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-2,5-dihydro-2,5-dioxo-1H-pyrrol-3-yl]-, methyl ester (CA INDEX NAME)

RN 919993-36-5 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[7-(2-hydroxyethoxy)-1-methyl-1H-indol-3-yl]- (CA INDEX NAME)

RN 919993-37-6 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[7-(3-hydroxypropoxy)-1H-indol-3-yl]- (CA INDEX NAME)

RN 919993-38-7 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[6-(2-hydroxyethoxy)-1H-indol-3-yl]- (CA INDEX NAME)

RN 919993-39-8 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[6-(2-hydroxy-2-methylpropoxy)-1H-indol-3-yl]- (CA INDEX

NAME)

RN 919993-40-1 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[7-(pentyloxy)-1H-indol-3-yl]- (CA INDEX NAME)

RN 919993-41-2 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-(7-chloro-1H-indol-3-yl)- (CA INDEX NAME)

RN 919993-42-3 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[6-(2-methoxyethoxy)-7-methyl-1H-indol-3-yl]- (CA INDEX NAME)

RN 919993-43-4 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1naphthalenyl]-4-[6-[2-(2-methoxyethoxy)ethoxy]-7-methyl-1H-indol-3-yl]-(CA INDEX NAME)

RN 919993-44-5 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-(5,7-dimethoxy-1H-indol-3-yl)- (CA INDEX NAME)

RN 919993-45-6 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-(5,6-dimethoxy-1H-indol-3-yl)- (CA INDEX NAME)

RN 919993-46-7 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[7-[2-(4-methyl-1-piperazinyl)ethoxy]-1H-indol-3-yl]- (CA INDEX NAME)

PAGE 1-A

PAGE 2-A

RN 919993-47-8 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[7-[2-(2-hydroxyethoxy)ethoxy]-1-methyl-1H-indol-3-yl]-(CA INDEX NAME)

RN 919993-48-9 CAPLUS
CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1naphthalenyl]-4-[7-[2-(methylamino)ethoxy]-1H-indol-3-yl]- (CA INDEX NAME)

RN 919993-49-0 CAPLUS
CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1naphthalenyl]-4-[7-[2-(1H-imidazol-2-yl)ethoxy]-1H-indol-3-yl]- (CA INDEX NAME)

RN 919993-50-3 CAPLUS
CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1naphthalenyl]-4-[1-[2-(1H-imidazol-2-yl)ethyl]-1H-indol-3-yl]- (CA INDEX NAME)

RN 919993-51-4 CAPLUS
CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1naphthalenyl]-4-[5-methoxy-7-(2-methoxyethoxy)-1H-indol-3-yl]- (CA INDEX NAME)

RN 919993-52-5 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[6-(2-hydroxy-2-methylpropoxy)-1-methyl-1H-indol-3-yl]-(CA INDEX NAME)

RN 919993-53-6 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[6-[2-(2-hydroxyethoxy)ethoxy]-1H-indol-3-yl]- (CA INDEX NAME)

RN 919993-54-7 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[6-(2-methoxyethoxy)-5,7-dimethyl-1H-indol-3-yl]- (CA INDEX NAME)

RN 919993-55-8 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1naphthalenyl]-4-[6-[2-(2-methoxyethoxy)ethoxy]-5,7-dimethyl-1H-indol-3-yl]-(CA INDEX NAME)

$$\begin{array}{c} \text{MeO-CH}_2\text{-CH}_2\text{-O-CH}_2\text{-CH}_2\text{-O-Me} \\ \text{Me} \\ \text{Me} \\ \text{NH} \\ \text{O} \\ \text{Me}_2\text{N-CH}_2 \\ \text{C1} \\ \end{array}$$

RN 919993-56-9 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1naphthalenyl]-4-[7-methoxy-6-[2-(2-methoxyethoxy)ethoxy]-1H-indol-3-yl]-(CA INDEX NAME)

$$\label{eq:meo-ch2-ch2-o-ch2-ch2-o-ch2-ch2-o-ch2-ch2-o-ch2-ch2-o-ch2-o-ch2-ch2-o-ch$$

RN 919993-57-0 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[7-methoxy-6-(2-methoxyethoxy)-1H-indol-3-yl]- (CA INDEX NAME)

RN 919993-58-1 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1naphthalenyl]-4-(5-fluoro-7-methoxy-1H-indol-3-yl)- (CA INDEX NAME)

RN 919993-59-2 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[5-fluoro-7-(2-methoxyethoxy)-1H-indol-3-yl]- (CA INDEX NAME)

RN 919993-60-5 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[5-fluoro-7-[2-(2-methoxyethoxy)ethoxy]-1H-indol-3-yl]-(CA INDEX NAME)

$$\begin{array}{c} \text{MeO-CH}_2\text{-CH}_2\text{-O-CH}_2\text{-CH}_2\text{-O} \\ \\ \text{F} \\ \\ \text{Me}_2\text{N-CH}_2 \\ \\ \text{C1} \end{array}$$

RN 919993-61-6 CAPLUS
CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1naphthalenyl]-4-[6-[2-(2-methoxy-2-methylpropoxy)ethoxy]-1H-indol-3-yl](CA INDEX NAME)

$$\begin{array}{c} \text{OMe} \\ \text{Me} - \text{C} - \text{CH}_2 - \text{O} - \text{CH}_2 - \text{CH}_2 - \text{O} \\ \text{Me} \end{array}$$

RN 919993-62-7 CAPLUS
CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1naphthalenyl]-4-[6-[2-(2-methoxy-2-methylpropoxy)ethoxy]-1-methyl-1H-indol3-yl]- (CA INDEX NAME)

OMe Me C-CH₂-O-CH₂-CH₂-O Me NH Me NH
$$\sim$$
 Me \sim Me

RN 919993-63-8 CAPLUS
CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1naphthalenyl]-4-[6-[2-(2-hydroxy-2-methylpropoxy)ethoxy]-1-methyl-1H-indol-

$$\begin{array}{c} \text{OH} \\ \text{Me} - \text{C} - \text{CH}_2 - \text{O} - \text{CH}_2 - \text{CH}_2 - \text{O} \\ \text{Me} \end{array} \begin{array}{c} \text{Me} \\ \text{NH} \\ \text{O} \\ \text{Me} 2 \text{N} - \text{CH}_2 \end{array} \begin{array}{c} \text{O} \\ \text{N} \\ \text{C} 1 \\ \text{C} 2 \\ \text{C} 2 \\ \text{C} 3 \\ \text{C} 4 \\ \text{C} 6 \\ \text{C} 6 \\ \text{C} 6 \\ \text{C} 6 \\ \text{C} 7 \\ \text{$$

RN 919993-64-9 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[5-chloro-7-[2-(2-methoxyethoxy)ethoxy]-1-[2-(2-methoxyethoxy)ethyl]-1H-indol-3-yl]- (CA INDEX NAME)

$$\begin{array}{c} \text{MeO-CH}_2\text{-CH}_2\text{-O-CH}_2\text{-CH}_2\text{-O-CH}_2\text{-CH}_2\text{-O-CH}_2\text{-CH}_2\text{-OMe} \\ \\ \text{C1} \\ \\ \text{Me}_2\text{N-CH}_2 \\ \\ \text{C1} \\ \end{array}$$

RN 919993-65-0 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1naphthalenyl]-4-(5-chloro-7-methoxy-1H-indol-3-yl)- (CA INDEX NAME)

RN 919993-66-1 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[5-chloro-7-(2-methoxyethoxy)-1-(2-methoxyethyl)-1H-indol-

$$\begin{array}{c} \text{MeO-CH}_2\text{-CH}_2\text{-O} \\ \text{CH}_2\text{-CH}_2\text{-OMe} \\ \text{NH} \\ \text{Cl} \\ \text{Me}_2\text{N-CH}_2 \\ \text{Cl} \\ \end{array}$$

RN 919993-67-2 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[5-chloro-7-[2-(2-methoxyethoxy)ethoxy]-1H-indol-3-yl]-(CA INDEX NAME)

RN 919993-68-3 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[5-chloro-7-(2-methoxyethoxy)-1H-indol-3-yl]- (CA INDEX NAME)

RN 919993-69-4 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-

naphthalenyl]-4-[6-(2-methoxy-2-methylpropoxy)-1-methyl-1H-indol-3-yl](CA INDEX NAME)

RN 919993-70-7 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[1-(2-hydroxyethyl)-7-methyl-1H-indol-3-yl]- (CA INDEX NAME)

RN 919993-71-8 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[1-(3-hydroxypropyl)-1H-indol-3-yl]- (CA INDEX NAME)

RN 919993-72-9 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-

RN 919993-73-0 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1naphthalenyl]-4-[1-(2-hydroxyethyl)-7-methoxy-1H-indol-3-yl]- (CA INDEX NAME)

RN 919993-74-1 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-[5-ethyl-7-[2-(2-methoxyethoxy)ethoxy]-1H-indol-3-yl]-(CA INDEX NAME)

$$\begin{array}{c} \text{MeO-CH}_2\text{-CH}_2\text{-O-CH}_2\text{-CH}_2\text{-O} \\ \text{H} \\ \text{NH} \\ \text{O} \\ \text{Me}_2\text{N-CH}_2 \\ \end{array}$$

RN

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1- naphthalenyl]-4-[5-ethyl-7-(2-methoxyethoxy)-1H-indol-3-yl]- (CA INDEX NAME)

RN 919993-76-3 CAPLUS
CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1naphthalenyl]-4-(5-ethyl-7-methoxy-1H-indol-3-yl)- (CA INDEX NAME)

RN 919993-77-4 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1naphthalenyl]-4-[1-(2-hydroxyethyl)-5-methyl-1H-indol-3-yl]- (CA INDEX NAME)

RN 919993-78-5 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1naphthalenyl]-4-[1-(2-hydroxyethyl)-6-methyl-1H-indol-3-yl]- (CA INDEX NAME)

RN 919993-79-6 CAPLUS

CN Acetamide, N-[[7-chloro-8-[2,5-dihydro-4-(1-methyl-1H-indol-3-yl)-2,5-dioxo-1H-pyrrol-3-yl]-2-naphthalenyl]methyl]-N-methyl- (CA INDEX NAME)

RN 919993-80-9 CAPLUS

CN Acetamide, N-[[7-chloro-8-[2,5-dihydro-4-(1H-indol-3-yl)-2,5-dioxo-1H-pyrrol-3-yl]-2-naphthalenyl]methyl]-N-methyl- (CA INDEX NAME)

RN 919994-32-4 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[[2-(dimethylamino)ethyl]methylamino]-1-naphthalenyl]-4-(1-methyl-1H-indol-3-yl)- (CA INDEX NAME)

IT 919994-33-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(intermediate; preparation of indolylmaleimide derivs. as protein kinase inhibitors and their use in the prevention and treatment of ${\tt T}$ lymphocyte mediated diseases)

RN 919994-33-5 CAPLUS

CN Carbamic acid, N-[[7-chloro-8-[2,5-dihydro-4-(1-methyl-1H-indol-3-yl)-2,5-dioxo-1H-pyrrol-3-yl]-2-naphthalenyl]methyl]-N-(2-fluoroethyl)-, 1,1-dimethylethyl ester (CA INDEX NAME)

L6 ANSWER 3 OF 16 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:984206 CAPLUS

DOCUMENT NUMBER: 145:505290

TITLE: A practical method for the synthesis of indolylaryl-

and bisindolylmaleimides

AUTHOR(S): Roy, Sudipta; Roy, Sujata; Gribble, Gordon W.

CORPORATE SOURCE: Department of Chemistry, Dartmouth College, Hanover,

NH, 03755, USA

SOURCE: Organic Letters (2006), 8(21), 4975-4977

CODEN: ORLEF7; ISSN: 1523-7060

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal LANGUAGE: English

OTHER SOURCE(S): CASREACT 145:505290

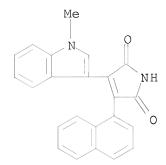
IT 125313-42-0P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of indolyl(aryl)maleimides via acylation of N-methylindole with oxalyl chloride followed by amidation and cyclocondensation with arylacetates)

125313-42-0 CAPLUS RN

1H-Pyrrole-2, 5-dione, 3-(1-methyl-1H-indol-3-yl)-4-(1-naphthalenyl)- (CA CN INDEX NAME)



REFERENCE COUNT: 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 4 OF 16 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:94622 CAPLUS

DOCUMENT NUMBER: 144:350471

TITLE: Design, Synthesis, and Biological Evaluation of

3,4-Diary Imaleimides as Angiogenesis Inhibitors

Peifer, Christian; Stoiber, Thomas; Unger, Eberhard; Totzke, Frank; Schaechtele, Christoph; Marme, Dieter; AUTHOR(S):

Brenk, Ruth; Klebe, Gerhard; Schollmeyer, Dieter;

Dannhardt, Gerd

CORPORATE SOURCE: Department of Pharmacy, Johannes Gutenberg-University,

Mainz, D-55099, Germany

SOURCE: Journal of Medicinal Chemistry (2006), 49(4),

1271-1281

CODEN: JMCMAR; ISSN: 0022-2623

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal English LANGUAGE:

OTHER SOURCE(S): CASREACT 144:350471

ΙT 221233-51-8P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL

(Biological study); PREP (Preparation)

(preparation of diarylmaleimides by cyclocondensation of arylglyoxylates with arylacetamides as angiogenesis inhibitors)

221233-51-8 CAPLUS RN

1H-Pyrrole-2,5-dione, 3-(1H-indol-3-yl)-4-(1-naphthalenyl)- (CA INDEX CN NAME)

THERE ARE 53 CITED REFERENCES AVAILABLE FOR THIS REFERENCE COUNT: 53 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT ANSWER 5 OF 16 CAPLUS COPYRIGHT 2008 ACS on STN L6 2005:673288 CAPLUS ACCESSION NUMBER: DOCUMENT NUMBER: 143:153287 Preparation of indolylmaleimide derivatives as PKC TITLE: inhibitors Van Eis, Maurice; Von Matt, Peter; Wagner, Juergen; INVENTOR(S): Evenou, Jean-Pierre; Schuler, Walter Novartis A.-G., Switz.; Novartis Pharma G.m.b.H. PATENT ASSIGNEE(S): SOURCE: PCT Int. Appl., 61 pp. CODEN: PIXXD2 DOCUMENT TYPE: Patent LANGUAGE: English FAMILY ACC. NUM. COUNT: PATENT INFORMATION: PATENT NO. KIND DATE APPLICATION NO. DATE -----_____ ____ _____ _____ A1 20050728 WO 2005-EP502 WO 2005068455 20050119 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG AU 2005205183 20050728 AU 2005-205183 20050119 A1 CA 2552740 Α1 20050728 CA 2005-2552740 20050119 EP 2005-701052 EP 1745037 Α1 20070124 20050119 R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR CN 1910173 20070207 CN 2005-80002684 20050119 A BR 2005006939 20070612 BR 2005-6939 Α 20050119 JP 2007518731 T 20070712 JP 2006-548287 20050119

AT 391127 T 20080415 AT 2005-701051 20050119 T3 20080801 ES 2303218 ES 2005-701051 20050119 20070130 20070222 MX 2006-PA8158 A MX 2006PA08158 20060718 A KR 2007021123 KR 2006-714416 20060718 A 20070222 A 20070608 A1 20081002 IN 2006CN02629 IN 2006-CN2629 20060719 US 2006-586421 US 20080242675 20061018 A 20040119 PRIORITY APPLN. INFO.: GB 2004-1089 A 20040119 GB 2004-1090 WO 2005-EP502 W 20050119

OTHER SOURCE(S): CASREACT 143:153287; MARPAT 143:153287 860468-10-6P 860468-11-7P 860468-12-8P 860468-13-9P 860468-14-0P 860468-15-1P 860468-16-2P 860468-17-3P 860468-18-4P 860468-19-5P 860468-20-8P 860468-21-9P 860468-22-0P 860468-23-1P 860468-24-2P 860468-25-3P 860468-26-4P 860468-27-5P 860468-28-6P 860468-29-7P 860468-30-0P 860468-31-1P 860468-32-2P 860468-33-3P 860468-34-4P 860468-35-5P 860468-36-6P 860468-37-7P RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of indolylmaleimide derivs. as PKC inhibitors)

RN 860468-10-6 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-(1-methyl-1H-indol-3-yl)- (CA INDEX NAME)

RN 860468-11-7 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1naphthalenyl]-4-(1-methyl-1H-indol-3-yl)-, acetate (1:2) (CA INDEX NAME)

CM 1

CRN 860468-10-6

CMF C26 H22 C1 N3 O2

CM 2

CRN 64-19-7 CMF C2 H4 O2

RN 860468-12-8 CAPLUS

 $\texttt{CN} \qquad \texttt{1H-Pyrrole-2, 5-dione, } \quad \texttt{3-[7-(aminomethy1)-2-chloro-1-naphthaleny1]-4-(1-dione)} \\ \texttt{CN} \qquad \texttt{1H-Pyrrole-2, 5-dione, } \quad \texttt{1H-Pyrole-2, 5-dione, } \quad \texttt{1H-Pyrole-2, 5-dione)} \\ \texttt{CN} \qquad \texttt{1H-Pyrole-2, 5-dione, } \quad \texttt{1H-Pyrole-2, 5-dione, }$

methyl-1H-indol-3-yl)- (CA INDEX NAME)

$$\begin{array}{c} \text{Me} \\ \\ \text{N} \\ \\ \text{NH} \\ \\ \text{O} \\ \\ \text{C1} \\ \end{array}$$

RN 860468-13-9 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(methylamino)methyl]-1-naphthalenyl]-4-(1H-indol-3-yl)- (CA INDEX NAME)

RN 860468-14-0 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(methylamino)methyl]-1-naphthalenyl]-4-(1-methyl-1H-indol-3-yl)- (CA INDEX NAME)

RN 860468-15-1 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(methylamino)methyl]-1-naphthalenyl]-4-(7-methyl-1H-indol-3-yl)- (CA INDEX NAME)

RN 860468-16-2 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(methylamino)methyl]-1-naphthalenyl]-4-(6-methyl-1H-indol-3-yl)- (CA INDEX NAME)

RN 860468-17-3 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(methylamino)methyl]-1-naphthalenyl]-4-(5-methyl-1H-indol-3-yl)- (CA INDEX NAME)

RN 860468-18-4 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-(7-methyl-1H-indol-3-yl)- (CA INDEX NAME)

RN 860468-19-5 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-(1H-indol-3-yl)- (CA INDEX NAME)

$$\begin{array}{c} H \\ N \\ NH \\ \\ O \\ C1 \\ \end{array}$$

RN 860468-20-8 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-(6-methyl-1H-indol-3-yl)- (CA INDEX NAME)

Me
$$\stackrel{\text{H}}{\stackrel{\text{N}}{\text{N}}}$$
 $\stackrel{\text{O}}{\stackrel{\text{N}}{\text{N}}}$ $\stackrel{\text{N}}{\stackrel{\text{N}}{\text{N}}}$ $\stackrel{\text{O}}{\stackrel{\text{N}}{\text{N}}}$ $\stackrel{\text{N}}{\stackrel{\text{N}}{\text{N}}}$ $\stackrel{\text{O}}{\stackrel{\text{N}}{\text{N}}}$ $\stackrel{\text{N}}{\stackrel{\text{N}}{\text{N}}}$ $\stackrel{\text{O}}{\stackrel{\text{N}}{\text{N}}}$ $\stackrel{\text{N}}{\stackrel{\text{N}}{\text{N}}}$ $\stackrel{\text{O}}{\stackrel{\text{N}}{\text{N}}}$ $\stackrel{\text{N}}{\stackrel{\text{N}}{\text{N}}}$ $\stackrel{\text{O}}{\stackrel{\text{N}}{\text{N}}}$ $\stackrel{\text{N}}{\stackrel{\text{N}}{\text{N}}}$ $\stackrel{\text{N}}{\stackrel{\text{N}}}$ $\stackrel{\text{N}}{\stackrel{\text{N}}{\text{N}}}$ $\stackrel{\text{N}}{\stackrel{\text{N}}}$ $\stackrel{\text{N}}}$ $\stackrel{\text{N}}{\stackrel{\text{N}}}$ $\stackrel{\text{N}}$ $\stackrel{\text{N}}}$ $\stackrel{\text{N}}$ $\stackrel{\text{N}}$ $\stackrel{\text{N}}$

RN 860468-21-9 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(dimethylamino)methyl]-1-naphthalenyl]-4-(5-methyl-1H-indol-3-yl)- (CA INDEX NAME)

RN 860468-22-0 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(ethylmethylamino)methyl]-1-naphthalenyl]-4-(1-methyl-1H-indol-3-yl)- (CA INDEX NAME)

RN 860468-23-1 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(diethylamino)methyl]-1-naphthalenyl]-4-(1-methyl-1H-indol-3-yl)- (CA INDEX NAME)

RN 860468-24-2 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(ethylamino)methyl]-1-naphthalenyl]-4-(1-methyl-1H-indol-3-yl)- (CA INDEX NAME)

RN 860468-25-3 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[[(1-methylethyl)amino]methyl]-1-naphthalenyl]-4-(1-methyl-1H-indol-3-yl)- (CA INDEX NAME)

RN 860468-26-4 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-[(4-methyl-1-piperazinyl)methyl]-1-naphthalenyl]-4-(1-methyl-1H-indol-3-yl)- (CA INDEX NAME)

RN 860468-27-5 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-7-(1-pyrrolidinylmethyl)-1-naphthalenyl]-4-(1-methyl-1H-indol-3-yl)- (CA INDEX NAME)

RN 860468-28-6 CAPLUS

CN 1H-Pyrrole-2, 5-dione, 3-[7-(aminomethyl)-2-methyl-1-naphthalenyl]-4-(1, 7-dimethyl-1H-indol-3-yl)- (CA INDEX NAME)

RN 860468-29-7 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[7-(aminomethyl)-2-methyl-1-naphthalenyl]-4-(7-methyl-1H-indol-3-yl)- (CA INDEX NAME)

$$H_2N-CH_2$$
 H_2N-CH_2
 Me

RN 860468-30-0 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[7-(aminomethyl)-2-methyl-1-naphthalenyl]-4-(1H-indol-3-yl)- (CA INDEX NAME)

RN 860468-31-1 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[7-(aminomethy1)-2-methy1-1-naphthaleny1]-4-(1-methy1-1H-indol-3-y1)- (CA INDEX NAME)

$$\begin{array}{c} \text{Me} \\ \text{N} \\ \text{N} \\ \text{NH} \\ \text{O} \\ \text{Me} \\ \text{$$

RN 860468-32-2 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[7-(aminomethyl)-1-naphthalenyl]-4-(1H-indol-3-yl)-(CA INDEX NAME)

$$H_2N-CH_2$$

RN 860468-33-3 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[7-(aminomethyl)-1-naphthalenyl]-4-(1-methyl-1H-indol-3-yl)- (CA INDEX NAME)

RN 860468-34-4 CAPLUS CN 1H-Pyrrole-2,5-dione, 3-(7-amino-1-naphthalenyl)-4-(1-methyl-1H-indol-3-yl)- (CA INDEX NAME)

RN 860468-35-5 CAPLUS
CN 1H-Pyrrole-2,5-dione, 3-(7-amino-1-naphthalenyl)-4-(1H-indol-3-yl)- (CA INDEX NAME)

RN 860468-36-6 CAPLUS
CN 1H-Pyrrole-2,5-dione, 3-[7-[(dimethylamino)methyl]-2-fluoro-1-naphthalenyl]-4-(7-methyl-1H-indol-3-yl)- (CA INDEX NAME)

RN 860468-37-7 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[7-[(dimethylamino)methyl]-2-fluoro-1-naphthalenyl]-4-(1H-indol-3-yl)- (CA INDEX NAME)

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 6 OF 16 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:673287 CAPLUS

DOCUMENT NUMBER: 143:172756

TITLE: Preparation of indolylmaleimide derivatives as PKC

inhibitors

INVENTOR(S): Van Eis, Maurice; Von Matt, Peter; Wagner, Juergen;

Evenou, Jean-Pierre

PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis Pharma G.m.b.H.

SOURCE: PCT Int. Appl., 24 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

| | PAT | ENT 1 | NO. | | | KIN | D | DATE | | | APPLICATION NO. | | | | | | DATE | | | |
|--|---------------|-------|-----|-----|-----|-----|-----|----------|-----|-----|-----------------|-----|-----|-----|-----|-----|----------|-----|--|--|
| | | | | | | | _ | | | | | | | | | | | | | |
| | WO 2005068454 | | | | | A1 | | 20050728 | | | WO 2005-EP501 | | | | | | 20050119 | | | |
| | | W: | ΑE, | AG, | AL, | AM, | ΑT, | ΑU, | ΑZ, | BA, | BB, | ВG, | BR, | BW, | BY, | BZ, | CA, | CH, | | |
| | | | CN, | CO, | CR, | CU, | CZ, | DE, | DK, | DM, | DZ, | EC, | EE, | EG, | ES, | FI, | GB, | GD, | | |
| | | | GE, | GH, | GM, | HR, | HU, | ID, | IL, | IN, | IS, | JP, | ΚE, | KG, | KP, | KR, | ΚZ, | LC, | | |
| | | | LK, | LR, | LS, | LT, | LU, | LV, | MA, | MD, | MG, | MK, | MN, | MW, | MX, | MZ, | NA, | NI, | | |
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| | | RW: | BW, | GH, | GM, | ΚE, | LS, | MW, | MZ, | NA, | SD, | SL, | SZ, | TZ, | UG, | ZM, | ZW, | AM, | | |
| | | | AZ, | BY, | KG, | KΖ, | MD, | RU, | ТJ, | TM, | AT, | BE, | BG, | CH, | CY, | CZ, | DE, | DK, | | |

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             RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,
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                                 20050728
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                           A1
                                                                     20050119
     CA 2552738
                           A1
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                                                                     20050119
                           A1
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     CN 1910174
                                 20070207
                                             CN 2005-80002734
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                           Α
     JP 2007518730
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                                 20070712
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                                                                     20050119
     BR 2005006958
                                 20070724
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                           Α
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     AT 391127
                           Τ
                                 20080415
                                             AT 2005-701051
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     ES 2303218
                           Т3
                                 20080801
                                             ES 2005-701051
                                                                     20050119
                                             MX 2006-PA8159
     MX 2006PA08159
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                                                                     20060718
                                             KR 2006-714418
     KR 2007020401
                                 20070221
                                                                     20060718
                           Α
     IN 2006CN02632
                                             IN 2006-CN2632
                                                                     20060719
                                 20070608
                          Α
     US 20080234494
                                 20080925
                                             US 2006-586420
                                                                     20060719
                          Α1
PRIORITY APPLN. INFO.:
                                             GB 2004-1089
                                                                     20040119
                                                                  Α
                                             GB 2004-1090
                                                                  Α
                                                                     20040119
                                             WO 2005-EP501
                                                                  W
                                                                     20050119
OTHER SOURCE(S):
                         CASREACT 143:172756; MARPAT 143:172756
     860646-70-4P 860646-71-5P 860646-72-6P
     860646-73-7P 860646-74-8P 860646-75-9P
     860646-76-0P 860646-77-1P
     RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
     (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
     (Uses)
        (preparation of indolylmaleimide derivs. as PKC inhibitors)
RN
     860646-70-4 CAPLUS
CN
     1H-Pyrrole-2,5-dione, 3-[2-chloro-6-[(dimethylamino)methyl]-1-
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naphthalenyl]-4-(1-methyl-1H-indol-3-yl)- (CA INDEX NAME)

RN 860646-71-5 CAPLUS
CN 1H-Pyrrole-2,5-dione, 3-[6-(aminomethyl)-1-naphthalenyl]-4-(1-methyl-1H-indol-3-yl)- (CA INDEX NAME)

RN 860646-72-6 CAPLUS

CN indol-3-yl)- (CA INDEX NAME)

RN 860646-73-7 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-6-[(dimethylamino)methyl]-1naphthalenyl]-4-(1H-indol-3-yl)- (CA INDEX NAME)

RN

860646-74-8 CAPLUS 1H-Pyrrole-2,5-dione, 3-[2-chloro-6-[(dimethylamino)methyl]-1-CN naphthalenyl]-4-(7-methyl-1H-indol-3-yl)- (CA INDEX NAME)

RN 860646-75-9 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-6-[(methylamino)methyl]-1-naphthalenyl]-4-(1H-indol-3-yl)- (CA INDEX NAME)

RN 860646-76-0 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[2-chloro-6-[(methylamino)methyl]-1-naphthalenyl]-4-(7-methyl-1H-indol-3-yl)- (CA INDEX NAME)

RN 860646-77-1 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[6-(aminomethyl)-1-naphthalenyl]-4-(1H-indol-3-yl)(CA INDEX NAME)

REFERENCE COUNT: THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS 1 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 7 OF 16 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:991343 CAPLUS

DOCUMENT NUMBER: 140:42028

TITLE: Preparation of substituted 1H-pyrrole-2,5-diones as

kinase inhibitors

INVENTOR(S): Zhang, Han-cheng; Maryanoff, Bruce E.; Mccomsey, David

F.; White, Kimberly; Ye, Hong; Hecker, Leonard;

Conway, Bruce R.; Demarest, Keith

PATENT ASSIGNEE(S): Janssen Pharmaceutica N.V., Belg.

SOURCE: PCT Int. Appl., 101 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

| | | | | | KIND DATE | | | | | | | | | | | | | | |
|--------------------------------|--------------|------|-------------|----------------|-------------|---------|-------|-----------------|-----------------|----------|------|------|-----|----------|----------|------|-----|--|--|
| WO 2003103663 WO 2003103663 | | | | | A2 | | | | WO 2003-US17518 | | | | | | | | | | |
| WO | | | | | _ | | | | | | | | | | | | | | |
| | W: | | | | | | ΑU, | | | | | | | | | | | | |
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| | | | | | | | VC, | | | | | | | | | | | | |
| | RW: | | | | | | MZ, | | | | | | | | | | | | |
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| | | FI, | FR, | GB, | GR, | HU, | IE, | ΙΤ, | LU, | MC, | NL, | PT, | RO, | SE, | SI, | SK, | TR, | | |
| | | | | | | | CM, | | | | | | | | | | | | |
| AU 2003240517 | | | | | | | | CA 2003-2488798 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| US 20040054180 | | | | | A1 20040318 | | | | US 2003-454561 | | | | | | 20030604 | | | | |
| US 7232906 EP 1513520 | | | | | | | | | | | | | | | | | | | |
| | | | | A2 | | | | EP 2003-731528 | | | | | | 20030604 | | | | | |
| EP 1513520 | | | B1 20080924 | | | | | | | | | | | | | | | | |
| | R: | ΑT, | BE, | CH, | DE, | DK, | ES, | FR, | GB, | GR, | ΙΤ, | LI, | LU, | NL, | SE, | MC, | PT, | | |
| | | ΙE, | SI, | LT, | LV, | FΙ, | RO, | MK, | CY, | AL, | TR, | ВG, | CZ, | EE, | HU, | SK | | | |
| JP | \mathbf{T} | | 2005 | 1020 | | JP 2 | 004 - | 2 | 0030 | 604 | | | | | | | | | |
| AT | T 20081015 | | | AT 2003-731528 | | | | | | 20030604 | | | | | | | | | |
| US 20070213386 | | | | | | | | | US 2007-800878 | | | | | | | | | | |
| US 20070213387 | | | | | A1 | | 2007 | 0913 | | US 2 | 007- | 8009 | 12 | | 2 | 0070 | 508 | | |
| IORIT: | Y APP | LN. | INFO | .: | | | | | | US 2 | 002- | 3860 | 02P |] | P 2 | 0020 | 605 | | |
| | | | | | | | | | | US 2 | 003- | 4545 | 61 | 1 | A3 2 | 0030 | 604 | | |
| | | | | | | | | | | WO 2 | 003- | US17 | 518 | 1 | ₩ 2 | 0030 | 604 | | |
| HED CO | OLID CE | 101. | | | MADI | ידי ע כ | 140. | 1202 | 0 | | | | | | | | | | |

OTHER SOURCE(S): MARPAT 140:42028

RN 634605-01-9 CAPLUS CN 1H-Pyrrole-2,5-dione, 3-[2-[3-(dimethylamino)-2-hydroxypropoxy]-1-naphthalenyl]-4-(1-ethenyl-1H-indol-3-yl)- (CA INDEX NAME)

RN 634605-02-0 CAPLUS
CN 1H-Pyrrole-2,5-dione, 3-(2-hydroxy-1-naphthalenyl)-4-(1H-indol-3-yl)- (CA INDEX NAME)

RN 634605-03-1 CAPLUS

CN 1H-Pyrrole-2, 5-dione, 3-[1-[2-(2-butyn-1-ylmethylamino)ethyl]-1H-indol-3-yl]-4-(1-naphthalenyl)- (CA INDEX NAME)

$$\begin{array}{c} \text{Me} \\ \text{Me} - \text{C} = \text{C} - \text{CH}_2 - \text{N} - \text{CH}_2 - \text{CH}_2 \\ \hline \\ \text{N} \\ \end{array}$$

RN 634605-04-2 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[1-[2-(3-butyn-1-ylmethylamino)ethyl]-1H-indol-3-yl]-4-(1-naphthalenyl)- (CA INDEX NAME)

$$\begin{array}{c} \text{Me} \\ \text{HC} = \text{C-CH}_2 - \text{CH}_2 - \text{N-CH}_2 - \text{CH}_2 \\ \\ \text{NH} \\ \\ \text{O} \end{array}$$

RN 634605-05-3 CAPLUS

CN 1H-Pyrrole-2, 5-dione, 3-(1-naphthalenyl)-4-[1-(5-pyrimidinyl)-1H-indol-3-yl]- (CA INDEX NAME)

RN 634605-34-8 CAPLUS

1H-Pyrrole-2,5-dione, 3-[1-[3-(dimethylamino)propyl]-1H-indol-3-yl]-4-(1-CN naphthalenyl) - (CA INDEX NAME)

 $Me_2N-(CH_2)_3$

634605-36-0 CAPLUS RN

CNnaphthalenyl) - (CA INDEX NAME)

 ${\tt Et_2N-CH_2-CH_2}$

RN

634605-41-7 CAPLUS 1H-Pyrrole-2,5-dione, 3-(1-naphthalenyl)-4-[1-(5-pyrimidinyl)-1H-indol-3-CN yl]-, hydrochloride (1:1) (CA INDEX NAME)

HC1

L6 ANSWER 8 OF 16 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:796695 CAPLUS

DOCUMENT NUMBER: 139:307678

TITLE: Preparation of indolylmaleimides for treating diseases

or disorders mediated by T lymphocytes and/or PKC

INVENTOR(S): Evenou, Jean-Pierre; Von Matt, Peter; Wagner, Juergen;

Zenke, Gerhard

PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis Pharma G.m.b.H.

SOURCE: PCT Int. Appl., 33 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KI | ND DATE | Ξ | APPLICATION NO. | | | | | DATE | | | |
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| WO 2003082859 | A | 1 2003 | 20031009 WO 2003- | | | 03-ЕЕ | 3470 | 0 | | | | |
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| LV, M | , MD, MK | , MN, MX, | NI, | NO, | NZ, | OM, E | PH, E | PL, | PT, | RO, | RU, | SC, |
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| CA 2477774 | A | | | | CA 200 | | | | | | | |
| AU 2003224031 | | | 20031013 AU 2003-224031 | | | 1 | | 20030402 | | | | |
| AU 2003224031 | В | | | 628 | | | | | | | | |
| EP 1490355 | A | | | | EP 200 | | | | | | | |
| R: AT, B | | | | | | | | | | | | PT, |
| | | , FI, RO, | • | | • | • | | | | | | |
| BR 2003008979 | | | 50104 | | BR 200 | | | | | 2 | | |
| CN 1639153 | A | | 50713 | | CN 200 | 03-80 | 05343 | 3 | | 2 | 0030 | 402 |
| CN 100351251 | | | 71128 | | | | | | | | | |
| JP 2005527563 | T | _ • • • | 50915 | - | TP 200 | | | - | | _ | 0030 | |
| NZ 535613 | A | | 70727 | | IZ 200 | | | | | | 0030 | |
| IN 2004CN0217 | | | 20060303 IN 2004-CN2172 | | | | 20040929 | | | | | |
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| US 2005011927 | A | .1 200! | 50602 | Ü | JS 200 | 04-51 | 1002 | 7 | | 2 | 0041 | 001 |

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| ZA 200 |)4006545 | A | 20060531 | ZA | 2004-6545 | | 20060327 |
| US 200 | 70032507 | A1 | 20070208 | US | 2006-546690 | | 20061012 |
| US 735 | 58253 | B2 | 20080415 | | | | |
| US 200 | 70037826 | A1 | 20070215 | US | 2006-546693 | | 20061012 |
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| | | | | MO | 2003-EP3470 | W | 20030402 |
| | | | | KR | 2004-715591 | А3 | 20041001 |
| | | | | US | 2004-510027 | A1 | 20041001 |
| | | | | US | 2006-546690 | A 1 | 20061012 |
| OTHER SOURC | CE(S): | MARPAT | 139:307678 | | | | |

ΙT 611234-31-2P 611234-32-3P 611234-33-4P 611234-34-5P 611234-35-6P 611234-36-7P 611234-37-8P 611234-38-9P 611234-40-3P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of indolylmaleimides for treating diseases or disorders mediated by T lymphocytes and/or PKC)

RN 611234-31-2 CAPLUS

CN (1-methyl-1H-indol-3-yl)- (CA INDEX NAME)

RN 611234-32-3 CAPLUS

1H-Pyrrole-2,5-dione, 3-[3-(4,7-diazaspiro[2.5]oct-7-yl)-1-naphthalenyl]-4-CN (1-methyl-1H-indol-3-yl)-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 611234-31-2 CMF C29 H26 N4 O2

CM 2

CRN 76-05-1 CMF C2 H F3 O2

RN 611234-33-4 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-(1-methyl-1H-indol-3-yl)-4-[3-[(3R)-3-methyl-1-piperazinyl]-1-naphthalenyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 611234-34-5 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[3-(4,7-diazaspiro[2.5]oct-7-yl)-1-naphthalenyl]-4-(1H-indol-3-yl)- (CA INDEX NAME)

RN 611234-35-6 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-(1H-indol-3-yl)-4-[3-[(3R)-3-methyl-1-piperazinyl]-1-naphthalenyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 611234-36-7 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-(1-methyl-1H-indol-3-yl)-4-[3-[(3S)-3-methyl-1-piperazinyl]-1-naphthalenyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 611234-37-8 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-(1H-indol-3-yl)-4-[3-[(3S)-3-methyl-1-piperazinyl]-1-naphthalenyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 611234-38-9 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[3-[(3S)-3,4-dimethyl-1-piperazinyl]-1-naphthalenyl]-4-(1-methyl-1H-indol-3-yl)- (CA INDEX NAME)

Absolute stereochemistry.

RN 611234-40-3 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[3-[(3S)-3,4-dimethyl-1-piperazinyl]-1-naphthalenyl]-4-(1H-indol-3-yl)- (CA INDEX NAME)

Absolute stereochemistry.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 9 OF 16 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:795114 CAPLUS

DOCUMENT NUMBER: 140:42054

TITLE: Aryl[a]pyrrolo[3,4-c]carbazoles as selective cyclin

D1-CDK4 inhibitors

AUTHOR(S): Sanchez-Martinez, Concha; Shih, Chuan; Faul, Margaret M.; Zhu, Guoxin; Paal, Michael; Somoza, Carmen; Li,

Tiechao; Kumrich, Christine A.; Winneroski, Leonard L.; Xun, Zhou; Brooks, Harold B.; Patel, Bharvin K.

R.; Schultz, Richard M.; DeHahn, Tammy B.; Spencer,

Charles D.; Watkins, Scott A.; Considine, Eileen; Dempsey, Jack A.; Ogg, Catherine A.; Campbell, Robert

M.; Anderson, Bryan A.; Wagner, Jill

CORPORATE SOURCE: DCR&T, Lilly Spain S.A., Madrid, 28108, Spain SOURCE: Bioorganic & Medicinal Chemistry Letters (2003),

13(21), 3835-3839

CODEN: BMCLE8; ISSN: 0960-894X

PUBLISHER: Elsevier Science B.V.

DOCUMENT TYPE: Journal LANGUAGE: English

OTHER SOURCE(S): CASREACT 140:42054

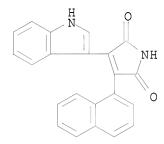
IT 221233-51-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of maleimides via heterocyclization of indolylglyoxylate with arylacetamides followed by elimination in the preparation of arenopyrrolocarbazoles as cyclin D1-CDK4 inhibitors)

RN 221233-51-8 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-(1H-indol-3-yl)-4-(1-naphthalenyl)- (CA INDEX NAME)



REFERENCE COUNT: 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 10 OF 16 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:743245 CAPLUS

DOCUMENT NUMBER: 139:307698

TITLE: Synthesis of Aryl- and

Heteroaryl[a]pyrrolo[3,4-c]carbazoles

AUTHOR(S): Sanchez-Martinez, Concha; Faul, Margaret M.; Shih,

Chuan; Sullivan, Kevin A.; Grutsch, John L.; Cooper,

Jeremy T.; Kolis, Stanley P.

CORPORATE SOURCE: Lilly S.A., Alcobendas, 28108, Spain

SOURCE: Journal of Organic Chemistry (2003), 68(21), 8008-8014

CODEN: JOCEAH; ISSN: 0022-3263

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal LANGUAGE: English

OTHER SOURCE(S): CASREACT 139:307698

IT 221233-51-8P 610312-82-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

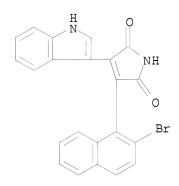
(preparation of aryl- and hetero[a]pyrrolo[3,4-c]carbazoles by photochem. oxidation and Heck cyclization)

RN 221233-51-8 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-(1H-indol-3-yl)-4-(1-naphthalenyl)- (CA INDEX NAME)

RN 610312-82-8 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-(2-bromo-1-naphthalenyl)-4-(1H-indol-3-yl)- (CA INDEX NAME)



REFERENCE COUNT: 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 11 OF 16 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:368469 CAPLUS

DOCUMENT NUMBER: 136:386017

TITLE: Preparation of indolylmaleimide derivatives as protein

kinase c inhibitors

INVENTOR(S): Albert, Rainer; Cooke, Nigel Graham; Cottens, Sylvain;

Ehrhardt, Claus; Evenou, Jean-Pierre; Sedrani, Richard; Von Matt, Peter; Wagner, Juergen; Zenke,

Gerhard

PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis-Erfindungen

Verwaltungsgesellschaft m.b.H.

SOURCE: PCT Int. Appl., 50 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT N | Ο. | | | KIN | D : | DATE | | | APPL | ICAT | I NOI | NO. | | D | ATE | |
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|] | HR, | HU, | ID, | IL, | IN, | IS, | JP, | ΚE, | KG, | ΚP, | KR, | KΖ, | LC, | LK, | LT, | LU, |
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PRIORITY APPLN. INFO.:
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                                                              A1 20011105
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                                                              W 20011105
                                           IN 2003-CN663 A3 20030505
US 2003-660442 A3 20030911
KR 2006-717472 A3 20060829
OTHER SOURCE(S):
                        MARPAT 136:386017
    425636-80-2P 425636-81-3P 425636-82-4P
    425636-83-5P 425636-84-6P 425636-85-7P
    425636-86-8P 425636-87-9P 425636-88-0P
    425636-89-1P 425636-90-4P 425636-91-5P
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    425636-98-2P 425637-00-9P 425637-02-1P
    425637-04-3P 425637-06-5P 425637-08-7P
    425637-10-1P
    RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
     (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
     (Uses)
        (drug; preparation of indolylmaleimide derivs. as protein kinase c
        inhibitors)
RN
    425636-80-2 CAPLUS
    1H-Pyrrole-2,5-dione, 3-[3-[2-(dimethylamino)ethoxy]-1-naphthalenyl]-4-(1H-
CN
     indol-3-y1)- (CA INDEX NAME)
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RN 425636-81-3 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-(1H-indol-3-yl)-4-[3-[2-(1-pyrrolidinyl)ethoxy]-1-naphthalenyl]- (CA INDEX NAME)

RN 425636-82-4 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[3-[2-[(2-hydroxyethyl)methylamino]ethoxy]-1-naphthalenyl]-4-(1H-indol-3-yl)- (CA INDEX NAME)

RN 425636-83-5 CAPLUS

CN 1H-Pyrrole-2, 5-dione, 3-(1H-indol-3-yl)-4-(3-methoxy-1-naphthalenyl)- (CA INDEX NAME)

RN 425636-84-6 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-(3-hydroxy-1-naphthalenyl)-4-(1H-indol-3-yl)- (CA INDEX NAME)

RN 425636-85-7 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[3-[3-(dimethylamino)propoxy]-1-naphthalenyl]-4-(1H-indol-3-yl)- (CA INDEX NAME)

RN 425636-86-8 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[3-[2-(cyclopropylmethylamino)ethoxy]-1-naphthalenyl]-4-(1H-indol-3-yl)- (CA INDEX NAME)

RN 425636-87-9 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[3-[2-(cyclopropylmethylamino)ethoxy]-l-naphthalenyl]-4-(l-methyl-lH-indol-3-yl)- (CA INDEX NAME)

RN 425636-88-0 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[3-[2-(cyclopropylamino)ethoxy]-l-naphthalenyl]-4-(1-methyl-1H-indol-3-yl)- (CA INDEX NAME)

RN 425636-89-1 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-(1H-indol-3-yl)-4-[3-[[1-(methylamino)cyclopropyl]methoxy]-1-naphthalenyl]- (CA INDEX NAME)

RN 425636-90-4 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[3-[[1-(methylamino)cyclopropy1]methoxy]-1-naphthalenyl]-4-(1-methyl-1H-indol-3-yl)- (CA INDEX NAME)

RN 425636-91-5 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-(1H-indol-3-yl)-4-[3-(4-methyl-1-piperazinyl)-1-naphthalenyl]- (CA INDEX NAME)

RN 425636-92-6 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-(1-methyl-1H-indol-3-yl)-4-[3-(4-methyl-1-piperazinyl)-1-naphthalenyl]- (CA INDEX NAME)

RN 425636-93-7 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-(1H-indol-3-yl)-4-[3-(1-piperazinyl)-1-naphthalenyl]- (CA INDEX NAME)

RN 425636-94-8 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-(1-methyl-1H-indol-3-yl)-4-[3-(1-piperazinyl)-1-naphthalenyl]- (CA INDEX NAME)

RN 425636-95-9 CAPLUS

CN 1-Piperazinecarboxaldehyde, 4-[4-[2,5-dihydro-4-(1-methyl-1H-indol-3-yl)-2,5-dioxo-1H-pyrrol-3-yl]-2-naphthalenyl]- (CA INDEX NAME)

RN 425636-96-0 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-(1H-indol-3-yl)-4-[3-[2-(1-piperidinyl)ethoxy]-1-naphthalenyl]- (CA INDEX NAME)

RN 425636-97-1 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[3-[2-(butylmethylamino)ethoxy]-1-naphthalenyl]-4-(1H-indol-3-yl)- (CA INDEX NAME)

RN 425636-98-2 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[3-[2-(cyclohexylamino)ethoxy]-1-naphthalenyl]-4-(1H-indol-3-yl)- (CA INDEX NAME)

RN 425637-00-9 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-(1H-indol-3-yl)-4-[3-[2-(4-methyl-1-piperidinyl)ethoxy]-1-naphthalenyl]- (CA INDEX NAME)

$$\begin{array}{c} \text{H} \\ \text{N} \\ \text{O} \\ \text{O} \\ \text{CH}_2 - \text{CH}_2 - \text{N} \end{array} \\ \text{Me}$$

RN 425637-02-1 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-(1H-indol-3-yl)-4-[3-[2-(2-methyl-1-pyrrolidinyl)ethoxy]-1-naphthalenyl]- (CA INDEX NAME)

RN 425637-04-3 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[3-[2-(4-hydroxy-1-piperidinyl)ethoxy]-1-naphthalenyl]-4-(1H-indol-3-yl)- (CA INDEX NAME)

RN 425637-06-5 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[3-[2-[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]ethoxy]-1-naphthalenyl]-4-(1H-indol-3-yl)- (CA INDEX NAME)

Absolute stereochemistry.

RN 425637-08-7 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[3-(2-[1,4'-bipiperidin]-1'-ylethoxy)-1-naphthalenyl]-4-(1H-indol-3-yl)- (CA INDEX NAME)

RN 425637-10-1 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[3-[2-(3-hydroxy-1-piperidinyl)ethoxy]-1-naphthalenyl]-4-(1H-indol-3-yl)- (CA INDEX NAME)

IT 425638-69-3P 425638-70-6P 425638-71-7P RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(intermediate; preparation of indolylmaleimide derivs. as protein kinase c inhibitors)

RN 425638-69-3 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-(1H-indol-3-yl)-4-[3-[2-[(methylsulfonyl)oxy]ethoxy]-1-naphthalenyl]- (CA INDEX NAME)

RN 425638-70-6 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-(1H-indol-3-yl)-4-[3-[2-[[tris(1-methylethyl)silyl]oxy]ethoxy]-1-naphthalenyl]- (CA INDEX NAME)

RN 425638-71-7 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-[3-(2-hydroxyethoxy)-1-naphthalenyl]-4-(1H-indol-3-yl)- (CA INDEX NAME)

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 12 OF 16 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:292783 CAPLUS

DOCUMENT NUMBER: 135:122654

TITLE: Phenyliodine(III) bis(trifluoroacetate)-mediated

oxidation of bisindolylmaleimides to

indolo[2,3-a]carbazoles

AUTHOR(S): Faul, M. M.; Sullivan, K. A.

CORPORATE SOURCE: Chemical Process Research and Development Division,

Lilly Research Laboratories, A Division of Eli Lilly

and Company, Indianapolis, IN, 46285, USA

SOURCE: Tetrahedron Letters (2001), 42(19), 3271-3273

CODEN: TELEAY; ISSN: 0040-4039

PUBLISHER: Elsevier Science Ltd.

DOCUMENT TYPE: Journal LANGUAGE: English

OTHER SOURCE(S): CASREACT 135:122654

IT 125313-42-0

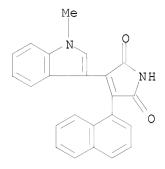
RL: RCT (Reactant); RACT (Reactant or reagent)

(failed PIFA-mediated oxidation)

RN 125313-42-0 CAPLUS

 $\label{eq:cn_loss} \textbf{CN} \qquad \textbf{1H-Pyrrole-2,5-dione,} \quad \textbf{3-(1-methyl-1H-indol-3-yl)-4-(1-naphthalenyl)-} \quad \textbf{(CA)}$

INDEX NAME)



REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 13 OF 16 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1999:83376 CAPLUS

DOCUMENT NUMBER: 130:237430

TITLE: A new one step synthesis of maleimides by condensation

of glyoxylate esters with acetamides

AUTHOR(S): Faul, Margaret M.; Winneroski, Leonard L.; Krumrich,

Christine A.

CORPORATE SOURCE: Chemical Process Research and Development Division,

Lilly Research Laboratories, A Division of Eli Lilly

and Company, Indianapolis, IN, 46285-4813, USA

SOURCE: Tetrahedron Letters (1999), 40(6), 1109-1112

CODEN: TELEAY; ISSN: 0040-4039

PUBLISHER: Elsevier Science Ltd.

DOCUMENT TYPE: Journal LANGUAGE: English

OTHER SOURCE(S): CASREACT 130:237430

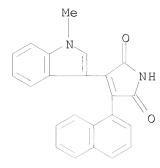
IT 125313-42-0P 221233-51-8P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of maleimides by condensation of glyoxylate esters with acetamides)

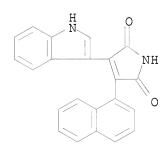
RN 125313-42-0 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-(1-methyl-1H-indol-3-yl)-4-(1-naphthalenyl)- (CA INDEX NAME)



RN 221233-51-8 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-(1H-indol-3-yl)-4-(1-naphthalenyl)- (CA INDEX NAME)



REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 14 OF 16 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1995:338467 CAPLUS

DOCUMENT NUMBER: 122:150861

ORIGINAL REFERENCE NO.: 122:27649a,27652a

TITLE: 2-Aryl-indolyl maleimides - novel and potent

inhibitors of protein kinase C

AUTHOR(S): Hendricks, Robert T.; Sherman, D.; Strulovici, Berta;

Broka, Chris A.

CORPORATE SOURCE: Inst. Org. Chem., Syntex Discovery Res., Palo Alto,

CA, 94304, USA

SOURCE: Bioorganic & Medicinal Chemistry Letters (1995), 5(1),

67-72

CODEN: BMCLE8; ISSN: 0960-894X

PUBLISHER: Elsevier DOCUMENT TYPE: Journal LANGUAGE: English

IT 161404-52-0

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)

(preparation of arylindolyl maleimides as novel and potent inhibitors of protein kinase C in relation to antitumor activity)

RN 161404-52-0 CAPLUS

CN Carbamimidothioic acid, 3-[3-[2,5-dihydro-4-(1-naphthalenyl)-2,5-dioxo-1H-pyrrol-3-yl]-1H-indol-1-yl]propyl ester, monohydrobromide (9CI) (CA INDEX NAME)

• HBr

L6 ANSWER 15 OF 16 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1992:41230 CAPLUS

DOCUMENT NUMBER: 116:41230

ORIGINAL REFERENCE NO.: 116:7065a,7068a

TITLE: Inhibitors of protein kinase C. 1.

2,3-bisarylmaleimides

AUTHOR(S): Davis, Peter D.; Hill, Christopher H.; Lawton,

Geoffrey; Nixon, John S.; Wilkinson, Sandra E.; Hurst,

Steven A.; Keech, Elizabeth; Turner, Susan E.

CORPORATE SOURCE: Roche Prod. Ltd., Welwyn Garden City/Herts., AL7 3AY,

UK

SOURCE: Journal of Medicinal Chemistry (1992), 35(1), 177-84

CODEN: JMCMAR; ISSN: 0022-2623

DOCUMENT TYPE: Journal LANGUAGE: English

OTHER SOURCE(S): CASREACT 116:41230

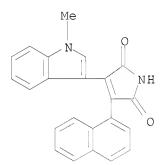
IT 125313-42-0P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation and protein kinase C inhibiting activity of)

RN 125313-42-0 CAPLUS

CN 1H-Pyrrole-2,5-dione, 3-(1-methyl-1H-indol-3-yl)-4-(1-naphthalenyl)- (CA INDEX NAME)



L6 ANSWER 16 OF 16 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1990:98378 CAPLUS

DOCUMENT NUMBER: 112:98378

ORIGINAL REFERENCE NO.: 112:16731a, 16734a

TITLE: Preparation of 3-(3-indoly1)pyrrole-2,5-diones and

analogs as protein kinase inhibitors

INVENTOR(S): Davis, Peter David; Hill, Christopher Huw; Lawton,

Geoffrey

PATENT ASSIGNEE(S): Hoffmann-La Roche, F., und Co. A.-G., Switz.

SOURCE: Eur. Pat. Appl., 38 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------------|----------|----------------------------|-------------|
| | A1 | | EP 1989-102025 | 19890206 |
| | DE, ES | | , IT, LI, LU, NL, SE | |
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| CZ 280738 | A B6 | 19960417 | ZA 1989-865 CZ 1989-752 | 19890203 |
| SK 278989 | B6 | | SK 1989-752 | 19890203 |
| AU 8929658 | A | 19890810 | AU 1989-29658 | 19890206 |
| AU 623630 | B2 | 19920521 | | |
| HU 49348 | A2 | 19890928 | HU 1989-554 | 19890206 |
| HU 201054 | В | 19900928 | | |
| US 5057614 | A T | 19911015 | US 1989-307104 | 19890206 |
| AT 88704 | T | 19930515 | AT 1989-102025 | 19890206 |
| CA 1320194 | С | 19930713 | CA 1989-590178 | 19890206 |
| ES 2054890 | T 3 | 19940816 | ES 1989-102025 | |
| DK 8900558 | A | 19890811 | DK 1989-558 | 19890207 |
| DK 171891 | | 19970804 | | |
| JP 01233281 | A | 19890919 | JP 1989-27741 | 19890208 |
| JP 07030071 | B A | 19950405 | | |
| NO 8900568 | A | 19890811 | NO 1989-568 | 19890209 |
| NO 172540 | В | 19930426 | | |
| NO 172540 | С | 19930804 | | |
| SU 1799382 | A3 | 19930228 | SU 1989-4613492 | 19890209 |
| FI 8900652 | A | 19890811 | FI 1989-652 | 19890210 |
| | В | | | |
| | С | | | |
| US 36736 | E | 20000613 | US 1998-14198 | |
| PRIORITY APPLN. INFO.: | | | GB 1988-3048 | |
| | | | | A 19881125 |
| | | | | A 19890206 |
| | | | US 1989-307104 | A5 19890206 |

IT 125313-42-0P

RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of, as protein kinase inhibitor)

CN 1H-Pyrrole-2,5-dione, 3-(1-methyl-1H-indol-3-yl)-4-(1-naphthalenyl)- (CA INDEX NAME)

RN 125313-42-0 CAPLUS

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